

Title (en)

Dual function deployable radiator and radiator cover

Title (de)

Entfaltbarer Radiator mit zweifacher Funktion und Radiatorsabdeckung

Title (fr)

Radiateur déployable à double fonction et couverture pour radiateur

Publication

**EP 0780304 B1 20011114 (EN)**

Application

**EP 96120418 A 19961218**

Priority

US 57759695 A 19951222

Abstract (en)

[origin: EP0780304A1] A deployable radiator (50, 52) is folded or in a "stowed" configuration over a fixed radiator (38) when a satellite (10) is in a launch vehicle. The deployable radiator (50, 52) thereby serves as insulation for the satellite (10) when heat rejection is not necessary. When heat rejection becomes necessary, the deployable radiators (50, 52) are deployed whereby unwanted heat is rejected from the satellite (10). The deployable radiators (50), (52) therefore serve a dual purpose, functioning as insulators for part of a mission and radiators for the remainder.  
<IMAGE>

IPC 1-7

**B64G 1/50**

IPC 8 full level

**B64G 1/50** (2006.01); **B64G 1/58** (2006.01)

CPC (source: EP US)

**B64G 1/503** (2013.01 - EP US); **B64G 1/58** (2013.01 - EP US)

Cited by

US9962798B2; EP1247741A1; FR2823182A1; EP3239057A1; EP0942867A4; FR2789653A1; DE19903386A1; DE19903386C2; US2011277959A1; US9091489B2; US2016332268A1; US6378809B1; US6318673B1; NL2016677B1; US2023234724A1; US12017806B2; JPWO2018116490A1; EP3556666A4; WO2018116490A1; US9429371B2; US7686255B2; US6378810B1; WO2009048678A3; US10737808B2

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